

IN THE CLAIMS

1. (currently amended) A welding tip comprising:
a cylindrical body, said cylindrical body having an opening at a first end defined by a heatable perimeter having an inner edge and an outer edge;
said perimeter including a plurality of knurls, wherein said knurls provide varying high and low temperature points in said perimeter, wherein said knurls extend outwardly from said inner edge to said outer edge and are offset from a radial position.
2. (original) The welding tip of claim 1, wherein said cylindrical body further defines a central bore extending from said opening into said cylindrical body.
3. (original) The welding tip of claim 1, wherein said perimeter is tapered.
4. (original) The welding tip of claim 1, wherein an inner portion of said perimeter extends outwardly further than an outer portion of said perimeter.
5. (original) The welding tip of claim 2, wherein said central bore has a conical shape.
6. (original) The welding tip of claim 1, wherein said cylindrical body further comprises a second end opposite said first end, said second end including a threaded bolt.
7. (cancelled)
8. (cancelled)

9. (currently amended) A welding tip comprising:

a cylindrical body, said cylindrical body having an opening at a first end defined by a heatable tapered perimeter having an inner edge and an outer edge;

said perimeter including a plurality of knurls, wherein said knurls provide varying high and low temperature points in the perimeter to provide a controlled melt weld, wherein said knurls extend outwardly from said inner edge to said outer edge and are offset from a radial position.

10. (original) The welding tip of claim 9, wherein said cylindrical body further defines a central bore extending from said opening into said cylindrical body.

11. (original) The welding tip of claim 9, wherein an inner portion of said tapered perimeter extends outwardly further than an outer portion of said tapered perimeter.

12. (original) The welding tip of claim 10, wherein said central bore has a conical shape.

13. (original) The welding tip of claim 9, wherein said cylindrical body further comprises a second end opposite said first end, said second end including a threaded bolt.

14. (cancelled)

15. (cancelled)

16. (currently amended) A welding tip comprising:

a cylindrical body, said cylindrical body having an opening at a first end defined by a heatable tapered perimeter, wherein an inner portion of said tapered perimeter extends outwardly further than an outer portion;

said perimeter including a plurality of knurls, said knurls extending outwardly from an inner edge of said tapered perimeter adjacent to said opening to an outer edge of said perimeter and are offset from a radial position, wherein said knurls create varying high and low temperature points in the perimeter to provide a controlled melt weld.

17. (original) The welding tip of claim 16, wherein said cylindrical body further defines a central bore extending from said opening into said cylindrical body.

18. (original) The welding tip of claim 17, wherein said central bore has a conical shape.

19. (original) The welding tip of claim 16, wherein said cylindrical body further comprises a second end opposite said first end, said second end including a threaded bolt.

20. (cancelled)